

ROLLING MEMBER

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Abstract of JP11303874

PROBLEM TO BE SOLVED: To provide an inexpensive rolling device improved in fretting resistance, acoustic performance, corrosion resistance, service life and workability. **SOLUTION:** In a rolling device composed of an outer member, an inner member and a plurality of rollers interposed between the former two members, in which the rollers roll on a first contact surface that is the surface of the outer member making contact with the rollers, and on a second contact surface that is the surface of the inner member making contact with the rollers, at least one of the outer member, the inner member and rollers is made of a steel alloy containing ≤ 1.5 wt.% of C, ≥ 10 wt.% and ≤ 20 wt.% of Cr, ≥ 0.1 wt.% and ≤ 0.8 wt.% of Mn, ≥ 0.1 wt.% and ≤ 1.0 wt.% of Si, and < 0.2 wt.% of N.

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